**Research Activities of SAIL**

2402. SHRI ASHOK NATH VERMA: Will the Minister of STEEL be pleased to state:

(a) whether Ancillary Development and Material Planning and R. D. Divisions of Steel Authority of India Limited, individually or in collaboration with other research institutions have developed technology for various captive consumption products or for import substitution for development/growth of ancillary/small scale units;

(b) whether it is also a fact that Steel Authority of India has transferred technical know-how to interested parties for commercial purpose, if so, what norms and criteria were adopted in this regard;

(c) what are the names of the products with annual requirement and amount involved for which technology is proposed to be transferred; and

(d) what assistance Steel Authority of India is giving to such ancillary units by way of incentives etc. to make ancillary programme a success?

THE MINISTER OF STATE OF THE MINISTRY OF STEEL (SHRI SONTOSH MOHAN DEV): (a) Yes, Sir. The R&D effort of SAIL's Research and Development Centre for Iron and Steel (RDCIS) is directed basically towards key problem areas of SAIL's Steel Plants like improvement in quality and productivity, conservation of energy, etc. However, it has also developed and supplied technical know-how and design and manufacturing drawings based on which products for Steel Plants could be manufactured in collaboration with outside industries including Small Scale Units. Some of those products are import substitution items also.

(b) Yes, Sir. Norms and criteria are tailored to suit the requirement of both SAIL and the ancillary/small scale units involved.

(c) RDCIS has plans to transfer techinal know-how etc. for manufacturing high temperature spring for slide gate machine. Its annual requirement is ten thousand numbers of springs made of super alloy amounting to Rs. One Crore.

(d) Assistance and incentives being extended by RDCIS to ancillary/small scale units are in the form of supply of know-how and placement of orders for manufacture and supply of the products.

**स्टील अथारिटी आफ इंडिया लिमिटेड को कोयले का प्रयोग करने की सलाह**

2403. **श्री राम जैठमलानी** : क्या इस्पात मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या यह सच है कि औद्योगिक लागत और मूल्य ब्यूरो ने स्टील अथारिटी आफ इंडिया लिमिटेड को उत्कृष्ट उत्पादन के लिए कम राख युक्त कोयले का उपयोग करने की सलाह दी है ;

(ख) यदि हां, तो इस कोयले में राख की कितनी मात्रा को उपयुक्त बताया गया है ;

(ग) क्या इस्पात विभाग ने कोल इंडिया से इस्पात कारखानों को ऐसा कोयला उपलब्ध कराने का आग्रह किया है ;

(घ) क्या इस प्रकार के कोयले की वार्षिक मांग का भी अनुमान लगाया गया है ; और

(ङ) यदि हां, तो वह मात्रा कितनी है और कोल इंडिया की इस पर क्या प्रतिक्रिया है ?

**इस्पात मंत्रालय के राज्य मंत्री (श्री संतोष मोहन देव)** : (क) और (ख) जी, हां । औद्योगिक लागत तथा मूल्य ब्यूरो ने अक्टूबर, 1990 की अपनी रिपोर्ट में "सेल" के इस्पात संयंत्रों में समसामयिक अन्तर्राष्ट्रीय इस्पात उत्पाद की गुणवत्ता के स्तर की प्राप्ति के लिए